

SEQUENCE LISTING

<110> LUPIN LTD
Nagaraja, Valakunja
Manjunatha, Ujjini Havaladar
Roy, Bhairab Nath

<120> PEPTIDE INHIBITORS FOR MYCOBACTERIAL DNA GYRASE

<130> HSM-LUP-GYR

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 783

<212> DNA

<213> Escherichia coli and Mus sp.

<400> 1

```

gcccaggtga aactgcagca gtctggggct gaattggtga ggcctggggc ttcagtgaag      60
ttgtcctgca aggccttctg ctacagcttc accgtctact atatttactg ggtgaaacag      120
aggcctggac aagcccttga gtggattgga gagattaatc ctagcaatgg tggactaac      180
ttcaatgaaa agttcaagac caaggccaca ctgactgtag aaaaatccac cagcacagtc      240
tacatgcaac tcagcagcct gacatctgaa gactctgagg tctattactg tacaagatgg      300
gggttacgac gagggtttgc ttactggggc caagggacca cggtcaccgt ctccctcaagt      360
ggaggcgggt caggcggagg tggctctggc ggtggcggat cggacatcga gctcactcag      420
tctccaaaat ccatgtccat gtcagtagga gagagggtca ccttgagttg caaggccagt      480
gagaatgtgg gtactcatgt atcctggtat caacagagac cagaggagtc tcctaaactg      540
ctgatatacg gggcatccaa ccggtacact ggggtccccg atcgcttcac aggcagtggc      600
tctgcaacag atttcactct gaccatcagc aatgtgcagg ctgaagacct tgcagattat      660
cactgtggac agacttacag ctatccattc acattcgggt tggggacaaa gttggaaata      720
aaacggggcg ccgcaggtgc gccggtgccg tatccggatc cgctggaacc gcgtgccgca      780
tag                                                                 783

```

<210> 2

<211> 260

<212> PRT

<213> Escherichia coli and Mus sp.

<400> 2

```

Ala Gln Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly
1           5           10          15

```

```

Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Val
20          25          30

```

Tyr Tyr Ile Tyr Trp Val Lys Gln Arg Pro Gly Gln Ala Leu Glu Trp
35 40 45

Ile Gly Glu Ile Asn Pro Ser Asn Gly Gly Thr Asn Phe Asn Glu Lys
50 55 60

Phe Lys Thr Lys Ala Thr Leu Thr Val Asp Lys Ser Thr Ser Thr Val
65 70 75 80

Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr
85 90 95

Cys Thr Arg Trp Gly Leu Arg Arg Gly Phe Ala Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser Ser Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Glu Leu Thr Gln Ser Pro Lys Ser
130 135 140

Met Ser Met Ser Val Gly Glu Arg Val Thr Leu Ser Cys Lys Ala Ser
145 150 155 160

Glu Asn Val Gly Thr His Val Ser Trp Tyr Gln Gln Arg Pro Glu Glu
165 170 175

Ser Pro Lys Leu Leu Ile Tyr Gly Ala Ser Asn Arg Tyr Thr Gly Val
180 185 190

Pro Asp Arg Phe Thr Gly Ser Gly Ser Ala Thr Asp Phe Thr Leu Thr
195 200 205

Ile Ser Asn Val Gln Ala Glu Asp Leu Ala Asp Tyr His Cys Gly Gln
210 215 220

Thr Tyr Ser Tyr Pro Phe Thr Phe Gly Leu Gly Thr Lys Leu Glu Ile
225 230 235 240

Lys Arg Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu
245 250 255

Pro Arg Ala Ala
260

<210> 3

<211> 16

<212> PRT

<213> Escherichia coli and Mus sp.

<400> 3

Lys Ala Ser Gly Tyr Ser Phe Thr Val Tyr Tyr Ile Tyr Trp Val Lys
1 5 10 15

<210> 4

<211> 14

<212> PRT

<213> Escherichia coli and Mus sp.

<400> 4

Thr Arg Trp Gly Leu Arg Arg Gly Phe Ala Tyr Trp Gly Gln
1 5 10